

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard

Butte Slough Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	M
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Butte Slough Outfall Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	M
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Colusa Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Goose Lake Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Highland Canal Diversion Weir And Drainage Structure

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	N
	Encroachments	A
	Culverts: Inlets / Outlets	A
	Culverts: Breaks / Holes / Cracks	A
	Metal Pipes	A
	Trash Racks	N
	Flap Gates	A
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Little Chico Creek Control And Weir Structures

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	M
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

M&T Ranch Overflow Structure

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	M
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Middle Creek Pumping Plant

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	M
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	N
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	N
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Moulton Weir

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Nelson Bend

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	N
	Concrete Tilting / Settlement	N
	Concrete Foundations	N
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	N
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 1

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	M
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Sutter Bypass Pumping Plant No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	M
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	M
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	A
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Pumping Plant No. 3

Overall Unit Rating	Rated Item	Item Rating
A	Operating Log	A
	Operation & Maintenance Manual	A
	Plant Building	A
	Communications	A
	Safety	A
	Cranes	N
	Pumps	A
	Power	A
	Motors, Engines, Fans & Gear Reducers	A
	Pump Control Systems	A
	Sumps/Wet Well	A
	Trash Racks	A
	Trash Rakes	N
	Sluice / Slide Gates	A
	Electric Gate Operators	N
	Manual Gate Operators	M
	Other Metallic Items	A
	Flap Gates	A
	Closure Structures	N
	Security Fencing	A
	Intake and Discharge Pipes	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Sutter Bypass Weir No. 2

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	A
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	A
	Electric Gate Operators	A
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Tisdale Weir

Overall Unit Rating	Rated Item	Item Rating
M	Photo Documentation	N
	Vegetation & Obstructions	M
	Shoaling / Sedimentation	M
	Erosion / Bank Caving	A
	Revetments	M
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	U
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	N
	Closure Structures	N
	Trash Rakes	N
	Other Metallic Items	N
	Monolith Joints	A
	Safety	M
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
2018 Structure Summary Report
Overall Unit and Item Ratings

DWR Sutter Maintenance Yard (cont.)

Wadsworth Canal Weir No. 4

Overall Unit Rating	Rated Item	Item Rating
A	Photo Documentation	N
	Vegetation & Obstructions	A
	Shoaling / Sedimentation	A
	Erosion / Bank Caving	M
	Revetments	A
	Encroachments	A
	Culverts: Inlets / Outlets	N
	Culverts: Breaks / Holes / Cracks	N
	Metal Pipes	N
	Trash Racks	N
	Flap Gates	N
	Sluice/Slide Gates	N
	Electric Gate Operators	N
	Manual Gate Operators	N
	Concrete Surfaces	A
	Concrete Tilting / Settlement	A
	Concrete Foundations	A
	Security Fencing	A
	Closure Structures	A
	Trash Rakes	N
	Other Metallic Items	A
	Monolith Joints	A
	Safety	A
	Operation & Maintenance Manual	A

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Butte Slough Drainage Structure

Structure Rating	A
Date of Inspection	6/14/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_1				
Action/Comments					
Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.					

Photo 1 of 8 : ST_2018_NA0060_38_1_20180625_00009.jpg



Butte Slough Drainage Structure on the waterside.

Photo 2 of 8 : ST_2018_NA0060_38_1_20180625_00010.jpg



Top view of the outfall flap gate.

Photo 3 of 8 : ST_2018_NA0060_38_1_20180625_00011.jpg



View of the centerline alignment from the waterside, looking at the levee.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_1					
Action/Comments						
Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.						

Photo 4 of 8 : ST_2018_NA0060_38_1_20180604_00004.jpg



Butte Slough Drainage Structure on the landside.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 8 : ST_2018_NA0060_38_1_20180625_00012.jpg



View of the centerline alignment from the landside, looking at the levee.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 6 of 8 : ST_2018_NA0060_38_1_20180625_00013.jpg



Butte Slough Drainage Structure on the landside.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_1					
Action/Comments						
Inspector Comments: Butte Slough Drainage structure shown on the landward and waterward side.						

Photo 7 of 8 : ST_2018_NA0060_38_1_20180604_00006.jpg



View of the pipe from the landside.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 8 : ST_2018_NA0060_38_1_20180604_00007.jpg



Zoomed-in view of the pipe from the landside.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_2				
Action/Comments					
Inspector Comments: There is minimal vegetation and debris on the land side, but it does not impede the flow into the structure. The outfall is clear of vegetation.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation is present.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			39.197288 °	39.197288 °	
				-121.943847 °	-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_5					
Action/Comments						
Inspector Comments: Cobble is grouted in place around the outfall. It appears to be in good condition.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Encroachments			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_6					
Action/Comments						
Inspector Comments: No encroachments or obstructions present.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Inlets / Outlets			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_7					
Action/Comments						
Inspector Comments: No debris observed around the pipe.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_8				
Action/Comments					
Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_9				
Action/Comments					
Inspector Comments: The visible portion of the culvert shows no signs of breaks, holes or cracking and appears to be in proper working condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_10				
Action/Comments					
Inspector Comments: There are no trash racks on this structure.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_11				
Action/Comments					
Inspector Comments: The flap gate appears to be in proper working condition. Minor debris propping the gate open.					

Photo 1 of 1 : ST_2018_NA0060_38_11_20180625_00014.jpg



View of the flap gate partly opened because of debris.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_12				
Action/Comments					
Inspector Comments: No sluice or slide gates are present.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_13				
Action/Comments					
Inspector Comments: No electric gate operators present.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Manual Gate Operators			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_14					
Action/Comments						
Inspector Comments: No manual gate operators on this structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2012_15				
Action/Comments					
Inspector Comments: No concrete surfaces to inspect. Grouted cobble has been addressed as a revetment.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Tilting / Settlement			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_16					
Action/Comments						
Inspector Comments: This does not apply to this structure.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Foundations			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_17					
Action/Comments						
Inspector Comments: No concrete foundation or structure present.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_18				
Action/Comments					
Inspector Comments: No security fencing present.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_19				
Action/Comments					
Inspector Comments: This structure does not appear to have a closure structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			39.197288 °		39.197288 °
				-121.943847 °		-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_20					
Action/Comments						
Inspector Comments: There is no trash rake on this facility.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.197288 °		39.197288 °	
		-121.943847 °		-121.943847 °	
DWR ID	DWR_NA0060_38_t_2013_21				
Action/Comments					
Inspector Comments: No other metallic items other than the culvert.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_22				
Action/Comments					
Inspector Comments: No joints to inspect.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2012_23				
Action/Comments					
Inspector Comments: There are no safety issues, the facility is located well off of any path of travel. Safety hardware is unnecessary, there are no hazardous conditions that would affect the operation of the facility.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Drainage Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.197288 °	39.197288 °
				-121.943847 °	-121.943847 °
DWR ID	DWR_NA0060_38_t_2013_24				
Action/Comments					
Inspector Comments: O&M is available at the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Butte Slough Outfall Structure

Structure Rating	A
Date of Inspection	6/14/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_1				
Action/Comments					
Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.					

Photo 1 of 8 : ST_2018_NA0060_42_1_20180625_00010.jpg



View of the Butte Slough Outfall Structure from the landside crown.

Photo 2 of 8 : ST_2018_NA0060_42_1_20180625_00013.jpg



View of the Butte Slough Outfall Structure on the landside

Photo 3 of 8 : ST_2018_NA0060_42_1_20180625_00014.jpg



Another view of the Butte Slough Outfall Structure on the landside.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.194972 °	39.194972 °	
				-121.936088 °	-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_1					
Action/Comments						
Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.						

Photo 4 of 8 : ST_2018_NA0060_42_1_20180625_00015.jpg



View of the mechanical gate operation mechanism.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 8 : ST_2018_NA0060_42_1_20180625_00016.jpg



View of the rust on the gears and railing.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 6 of 8 : ST_2018_NA0060_42_1_20180625_00017.jpg



View of the Butte Slough outfall structure facing Sacramento River.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.194972 °		39.194972 °
				-121.936088 °		-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_1					
Action/Comments						
Inspector Comments: Photos showing water side and land side views of the Butte Slough outfall structure.						

Photo 7 of 8 : ST_2018_NA0060_42_1_20180625_00018.jpg



View of the Butte Slough Outfall Structure on the waterside. Note minor erosion around the headwall.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 8 : ST_2018_NA0060_42_1_20180625_00019.jpg



View of the stop log slots on the waterside. Note minor erosion around the headwall.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_2				
Action/Comments					
Inspector Comments: Some logs jammed near the slide gates which may impact proper operation of the structure.					

Photo 1 of 1 : ST_2018_NA0060_42_2_20180625_00012.jpg



View of the log jammed near the slide gate.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			39.194972 °		39.194972 °
				-121.936088 °		-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation visible.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_4				
Action/Comments					
Inspector Comments: No significant erosion or bank caving was observed on the landside. However, there is minor erosion around the headwall on the waterside which does not appear to undermine the structure at this time.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_5				
Action/Comments					
Inspector Comments: Exisiting cobble on landside appears to be in good condition and is clearly visible.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_6				
Action/Comments					
Inspector Comments: No encroachments or obstructions are visible.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_7				
Action/Comments					
Inspector Comments: There does not appear to be sediment, debris or vegetation blocking the inlets or outlets.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Breaks / Holes / Cracks			39.194972 °	39.194972 °	
				-121.936088 °	-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_8					
Action/Comments						
Inspector Comments: Culverts were submerged at the time of this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_9				
Action/Comments					
Inspector Comments: Pipes were fully submerged at the time of the inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_10				
Action/Comments					
Inspector Comments: No trash racks on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_11				
Action/Comments					
Inspector Comments: Flap gates were fully submerged at the time of this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_12				
Action/Comments					
Inspector Comments: Gates appear to be operating normally, however, a few logs were observed near slide gates at the time of inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_13				
Action/Comments					
Inspector Comments: No electric gate operators at this facility.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_14				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition, however, some lubrication may need to be applied to ensure proper operation of the mechanism.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_15				
Action/Comments					
Inspector Comments: Concrete appears to be in very good shape, no visible spalling, cracking or scaling.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_16				
Action/Comments					
Inspector Comments: No evidence of tilting sliding or settlement.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Foundations			39.194972 °	39.194972 °	
				-121.936088 °	-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_17					
Action/Comments						
Inspector Comments: No evidence of erosion, scouring or undermining near the structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_18				
Action/Comments					
Inspector Comments: There is a security gate on the road, but no security fencing to inspect.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_19				
Action/Comments					
Inspector Comments: There is no separate closure structure aside from the manually operated sluice gates on the waterside of the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2012_20				
Action/Comments					
Inspector Comments: No trash rake at this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_21				
Action/Comments					
Inspector Comments: Corrosion on metal support structure at waterline may need repair as it appears to be significant in some portions of the angle iron members. Metal railings and catwalks are showing signs of rust. Metal items should be painted or coated to prevent corrosion.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_22				
Action/Comments					
Inspector Comments: Joints appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.194972 °		39.194972 °	
		-121.936088 °		-121.936088 °	
DWR ID	DWR_NA0060_42_t_2012_23				
Action/Comments					
Inspector Comments: Railing is in place at manual sluice gate controls.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Butte Slough Outfall Structure		06/14/2018 06/14/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.194972 °	39.194972 °
				-121.936088 °	-121.936088 °
DWR ID	DWR_NA0060_42_t_2013_24				
Action/Comments					
Inspector Comments: O&M is available at the office.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Colusa Weir

Structure Rating	A
Date of Inspection	6/19/2018
DWR Inspector	Bob Duffey
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						
Inspector Comments: Typical views of Colusa Weir.						

Photo 1 of 7 : ST_2018_NA0060_55_1_20180629_00017.jpg



View of the weir from the left bank looking downstream.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 7 : ST_2018_NA0060_55_1_20180629_00018.jpg



View of the weir from the right bank looking downstream.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 7 : ST_2018_NA0060_55_1_20180629_00019.jpg



This is the upstream view of the Colusa Weir structure.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.232135 °	39.232135 °	
				-121.996253 °	-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						
Inspector Comments: Typical views of Colusa Weir.						

Photo 4 of 7 : ST_2018_NA0060_55_1_20180711_00033.jpg



This is the downstream view of the Colusa Weir structure.

Photo 5 of 7 : ST_2018_NA0060_55_1_20180629_00020.jpg



View of the downstream side of the weir look at the right bank.

Photo 6 of 7 : ST_2018_NA0060_55_1_20180629_00021.jpg



Typical view of the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_1					
Action/Comments						
Inspector Comments: Typical views of Colusa Weir.						

Photo 7 of 7 : ST_2018_NA0060_55_1_20180629_00032.jpg



View of the upstream side of the weir looking at the right bank .

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_2				
Action/Comments					
Inspector Comments: Scattered debris, sediment, and obstructions should be removed. The flow is minimally impeded.					

Photo 1 of 2 : ST_2018_NA0060_55_2_20180629_00029.jpg



View of the typical vegetation found in the weir looking downstream.

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_55_2_20180629_00030.jpg



View of the debris that has built up around the piles of the bridge.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_3				
Action/Comments					
Inspector Comments: Sedimentation present..					

Photo 1 of 1 : ST_2018_NA0060_55_3_20180629_00031.jpg



View of the sediment builds up along piles.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap is visible.					

Photo 1 of 1 : ST_2018_NA0060_55_5_20180629_00025.jpg



View of the riprap on the downstream side of the weir.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_6				
Action/Comments					
Inspector Comments: The debris needs to be removed that is called out in Issue 2 "Vegetation & Obstructions.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.232135°	39.232135°
				-121.996253°	-121.996253°
DWR ID	DWR_NA0060_55_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Metal Pipes			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_9					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Flap Gates			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_11					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_12					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Electric Gate Operators	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Concrete Tilting / Settlement	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_16				
Action/Comments					
Inspector Comments: There are no areas of tilting, sliding, or settlement on the weir or abutments.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_20					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2013_24				
Action/Comments					
Inspector Comments: All handrails and guard rails are free of corrosion that would affect safety.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.232135 °		39.232135 °	
		-121.996253 °		-121.996253 °	
DWR ID	DWR_NA0060_55_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			39.232135 °		39.232135 °
				-121.996253 °		-121.996253 °
DWR ID	DWR_NA0060_55_t_2012_23					
Action/Comments						
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Colusa Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.232135 °	39.232135 °
				-121.996253 °	-121.996253 °
DWR ID	DWR_NA0060_55_t_2014_21				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Goose Lake Overflow Structure

Structure Rating	A
Date of Inspection	6/27/2018
DWR Inspector	Bob Duffey
Accompanied By	Shawn Freitag Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	CR
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_1				
Action/Comments					
Inspector Comments: Google Earth Satellite view of the structure.					

Photo 1 of 1 : ST_2018_NA0060_225_1_20180604_00001.jpg



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.569247 °	39.569247 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_2				
Action/Comments					
Inspector Comments: Spray the vegetation for approximately 100 feet on both sides of the weir.					

Photo 1 of 2 : ST_2018_NA0060_225_2_20180711_00007.jpg



View of the vegetation on the downstream of the weir.

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	LS

Photo 2 of 2 : ST_2018_NA0060_225_2_20180711_00006.jpg



View of the vegetation on the upstream of the weir.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_4				
Action/Comments					
Inspector Comments: No active erosion.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			39.569248	°	39.569248
				-121.982569	°	-121.982569
DWR ID	DWR_NA0060_225_t_2013_5					
Action/Comments						
Inspector Comments: Existing riprap protection is properly maintained.						

Photo 1 of 1 : ST_2018_NA0060_225_5_20180711_00008.jpg



View of the existing revetment on the downstream of the weir.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_6				
Action/Comments					
Inspector Comments: There is no debris at this location.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.569248 °		39.569248 °	
		-121.982569 °		-121.982569 °	
DWR ID	DWR_NA0060_225_t_2013_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.569248 °		39.569248 °	
		-121.982569 °		-121.982569 °	
DWR ID	DWR_NA0060_225_t_2013_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Manual Gate Operators			39.569248 °		39.569248 °
				-121.982569 °		-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_14					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_15				
Action/Comments					
Inspector Comments: Farm equipment needs to stay off of the weir to prevent further damage to the concrete surface.					

Photo 1 of 1 : ST_2018_NA0060_225_15_20180711_00009.jpg



View of the crown roadway on the top of the weir.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_16				
Action/Comments					
Inspector Comments: No tilting was identified.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t_2013_17				
Action/Comments					
Inspector Comments: There is no erosion or undermining near the structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Closure Structures			39.569248 °		39.569248 °
				-121.982569 °		-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_19					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *	LS	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Trash Rakes			39.569248 °	39.569248 °	
				-121.982569 °	-121.982569 °	
DWR ID	DWR_NA0060_225_t _ 2013_20					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_24				
Action/Comments					
Inspector Comments: The yard maintains good safety procedures and no hazards were observed.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Goose Lake Overflow Structure		06/27/2018 06/27/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	LS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.569248 °	39.569248 °
				-121.982569 °	-121.982569 °
DWR ID	DWR_NA0060_225_t _ 2013_23				
Action/Comments					
Inspector Comments: There is not an O+M manual for this structure.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Highland Canal Diversion Weir And Drainage Structure

Structure Rating	A
Date of Inspection	7/12/2018
DWR Inspector	Zach Jojola
Accompanied By	Corey Fujitani DWR
	Bob Duffey DWR
	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_1				
Action/Comments					
Inspector Comments: Highland Canal Diversion Weir works as a control point that diverts water through a culvert during high water season.					

Photo 1 of 1 : ST_2018_NA0060_7_1_20180716_00009.jpg



View of the weir. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_2				
Action/Comments					
Inspector Comments: there is some minor vegetation that will not impede the flow of water through the culvert or over the weir structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			39.126317 °		39.126317 °
				-122.882733 °		-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation was present.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or active bank caving was observed around the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			39.126317 °	39.126317 °	
				-122.882733 °	-122.882733 °	
DWR ID	DWR_NA0060_7_t_2018_5					
Action/Comments						
Inspector Comments: No riprap was present at this structure.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_6				
Action/Comments					
Inspector Comments: No debris was found at the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_7				
Action/Comments					

Photo 1 of 2 : ST_2018_NA0060_7_7_20180716_00011.jpg



View of the inlets. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_7_7_20180716_00010.jpg



View of the outlets. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_8				
Action/Comments					
Inspector Comments: There were no visible breaks, holes, or cracks detected in the culvert.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_9				
Action/Comments					
Inspector Comments: The outlet pipes appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_11				
Action/Comments					
Inspector Comments: The flap gates appeared to be in working condition.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_2012_14				
Action/Comments					
Inspector Comments: There are no slide gates on this location.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Surfaces			39.126317 °	39.126317 °	
				-122.882733 °	-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_15					
Action/Comments						
Inspector Comments: There was some minor cracking and scaling on the concrete structure do to its age, but this does not appear to threaten its structural integrity.						

Photo 1 of 3 : ST_2018_NA0060_7_15_20180716_00012.jpg



View of the concrete structure. Summer 2018.

Photo 2 of 3 : ST_2018_NA0060_7_15_20180716_00013.jpg



Additional view of the concrete structure, facing towards the downstream relief channel. Summer 2018.

Photo 3 of 3 : ST_2018_NA0060_7_15_20180716_00014.jpg



Additional view of the concrete structure, facing the inlet. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	A	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_16				
Action/Comments					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_ 2012_17				
Action/Comments					
Inspector Comments: No scouring or erosion was found near the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.126317 °	39.126317 °
				-122.882733 °	-122.882733 °
DWR ID	DWR_NA0009_7_t_ 2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Closure Structures	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_19				
Action/Comments					
Inspector Comments: This item doesn't apply to this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t _ 2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Highland Canal Diversion Weir And Drainage Structure		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0060_7_t_2014_22				
Action/Comments					
Inspector Comments: The monolith joints material were in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0009_7_t_2012_23				
Action/Comments					
Inspector Comments: There were no safety hazards around the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.126317 °		39.126317 °	
		-122.882733 °		-122.882733 °	
DWR ID	DWR_NA0060_7_t_2013_24				
Action/Comments					
Inspector Comments: The district has the O&M manual in their office.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Little Chico Creek Control And Weir Structures

Structure Rating	A
Date of Inspection	7/19/2018
DWR Inspector	Sterling York
Accompanied By	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.733555°	39.733555°
				-121.771772°	-121.771772°
DWR ID	DWR_NA0060_9_t_2012_1				
Action/Comments					

Photo 1 of 6 : ST_2018_NA0060_9_1_20180723_00017.jpg



View of the Little Chico Structure looking upstream, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 6 : ST_2018_NA0060_9_1_20180723_00016.jpg



View of the weir looking upstream, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 6 : ST_2018_NA0060_9_1_20180723_00018.jpg



View of the control structure looking north, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Photo Documentation			39.733555 °	39.733555 °	
				-121.771772 °	-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_1					
Action/Comments						

Photo 4 of 6 : ST_2018_NA0060_9_1_20180723_00019.jpg



View of the control structure looking south, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 6 : ST_2018_NA0060_9_1_20180723_00021.jpg



View of the control structure looking downstream, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 6 of 6 : ST_2018_NA0060_9_1_20180723_00020.jpg



View of the control structure looking south, from the creek bed, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.733555°	39.733555°
				-121.771772°	-121.771772°
DWR ID	DWR_NA0060_9_t_2012_2				
Action/Comments					
Inspector Comments: Vegetation should be removed before winter, 2018.					

Photo 1 of 4 : ST_2018_NA0060_9_2_20180723_00025.jpg



This is a view looking upstream at the vegetation from the control structure, 2018.

LM Start	0.00	Rating **	A	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 4 : ST_2018_NA0060_9_2_20180723_00024.jpg



This is a view looking downstream from the control structure at the vegetation, 2018.

LM Start	0.00	Rating **	A	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 4 : ST_2018_NA0060_9_2_20180723_00022.jpg



This is a view looking upstream at the vegetation looking downstream from the weir, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	2 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Vegetation & Obstructions			39.733555 °		39.733555 °
				-121.771772 °		-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_2					
Action/Comments						
Inspector Comments: Vegetation should be removed before winter, 2018.						

Photo 4 of 4 : ST_2018_NA0060_9_2_20180723_00023.jpg



This is a view looking downstream from the weir at the vegetation, 2018.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_3				
Action/Comments					
Inspector Comments: There appears to be little/no shoaling or sedimentation, the flow does not appear to be impeded.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Erosion / Bank Caving	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_4				
Action/Comments					
Inspector Comments: No erosion observed during inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Revetments	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_5				
Action/Comments					
Inspector Comments: Riprap appeared to be in place and sufficient, 2017.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Encroachments	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_6				
Action/Comments					
Inspector Comments: Wood debris encroachment in the weir may inhibit flows and should be removed, 2018.					

Photo 1 of 2 : ST_2018_NA0060_9_6_20180723_00027.jpg



View of a few logs trapped in the weir, flows may be effected by them, 2018.

LM Start	0.00	Rating **	M	Issue No.	6 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_9_6_20180723_00026.jpg



View of a few logs trapped in the weir, flows may be effected by them, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_7				
Action/Comments					
Inspector Comments: Inlets and outlets are clear of obstructions, 2018.					

Photo 1 of 2 : ST_2018_NA0060_9_7_20180723_00028.jpg



View of outlets clear of obstructions, 2018.

LM Start	0.00	Rating **	N	Issue No.	7 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_9_7_20180723_00029.jpg



Closer view of outlets clear of obstructions, 2018.

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start		Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

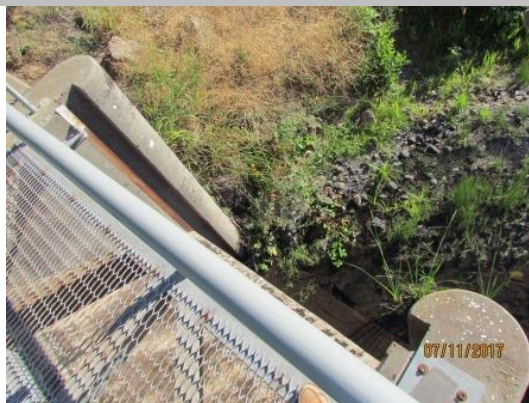
LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_12				
Action/Comments					
Inspector Comments: The two sluice gates on either end of the control structure are in good condition, 2018.					

Photo 1 of 2 : ST_2018_NA0060_9_12_20180716_00012.jpg



View of the two sluice gates on either end of the control structure, 2017.

Photo 2 of 2 : ST_2018_NA0060_9_12_20180716_00013.jpg



View of the two sluice gates on either end of the control structure, 2017.

LM Start	0.00	Rating **	A	Issue No.	12 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_14				
Action/Comments					
Inspector Comments: There are no sluice/slide gates on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Concrete Surfaces	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_15				
Action/Comments					
Inspector Comments: The concrete surface appears to be in good condition in all locations but one of the inlets is showing some wear and spalling, 2018.					

Photo 1 of 1 : ST_2018_NA0060_9_15_20180723_00030.jpg



View of one of the inlets that is showing some wear and spalling, 2018.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_16				
Action/Comments					
Inspector Comments: No noticeable or identifiable areas of tilting, sliding or settlement were observed during inspection, 2017.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_17				
Action/Comments					
Inspector Comments: The concrete foundation appears to be in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Rakes	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Other Metallic Items	39.733555 °		39.733555 °	
		-121.771772 °		-121.771772 °	
DWR ID	DWR_NA0060_9_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_22				
Action/Comments					
Inspector Comments: Monolith joints appear to be in good condition.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Little Chico Creek Control And Weir Structures		07/19/2018 07/19/2018	Sterling York

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2012_23				
Action/Comments					
Inspector Comments: Hand rails are installed and are in good condition, 2018.					

Photo 1 of 2 : ST_2018_NA0060_9_23_20180723_00031.jpg



Hand rails are installed and are in good condition, 2018.

LM Start	0.00	Rating **	A	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_9_23_20180723_00032.jpg



Hand rails are installed and are in good condition, 2018.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.733555 °	39.733555 °
				-121.771772 °	-121.771772 °
DWR ID	DWR_NA0060_9_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
M&T Ranch Overflow Structure

Structure Rating	M
Date of Inspection	6/18/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard
	Shawn Freitag Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_1				
Action/Comments					

Photo 1 of 1 : ST_2018_NA0060_228_1_20180604_00001.jpg



The structure location is highlighted and is shown in relation to the Sacramento River.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.674690 °	39.674690 °
				-121.947013 °	-121.947013 °
DWR ID	DWR_NA0014_228_t_2013_2				
Action/Comments					
Inspector Comments: The vegetation should be sprayed back approximately 20 feet from both sides of the weir.					

Photo 1 of 1 : ST_2018_NA0060_228_2_20180626_00007.jpg



View of the vegetation on the upstream side of the weir.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_3				
Action/Comments					
Inspector Comments: There is no shoaling or sedimentation present.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.668789 °	39.668789 °
				-121.957170 °	-121.957170 °
DWR ID	DWR_NA0014_228_t_2013_4				
Action/Comments					
Inspector Comments: The soil erosion on the upstream side of the weir needs repair.					

Photo 1 of 2 : ST_2018_NA0060_228_4_20180626_00011.jpg



View of the erosion on the upstream side of the weir during 2016 & 2017 high water.

LM Start	0.00	Rating **	M	Issue No.	4 (cont)
LM End	0.00	Issue Type +	Ma	Location *	WS

Photo 2 of 2 : ST_2018_NA0060_228_4_20180604_00003.jpg



View of the erosion on the upstream side of the weir during 2017 high water.

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_5				
Action/Comments					
Inspector Comments: The riprap is properly maintained.					

Photo 1 of 1 : ST_2018_NA0060_228_5_20180626_00009.jpg



View of the revetment on the downstream side of the weir.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	M	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_6				
Action/Comments					
Inspector Comments: Remove the debris on the revetment.					

Photo 1 of 1 : ST_2018_NA0060_228_6_20180626_00010.jpg



View of the debris on the revetment.

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.674690 °		39.674690 °	
		-121.947010 °		-121.947010 °	
DWR ID	DWR_NA0014_228_t_2013_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_15				
Action/Comments					
Inspector Comments: There is no spalling or cracking at the site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_17				
Action/Comments					
Inspector Comments: There is no erosion or undermining of the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _2013_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_22				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t_2013_23				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a safety program in place.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
M&T Ranch Overflow Structure		06/18/2018 06/18/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	WS
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.674690 °	39.674690 °
				-121.947010 °	-121.947010 °
DWR ID	DWR_NA0014_228_t _ 2013_24				
Action/Comments					
Inspector Comments: No O&M Manual exists for this structure. Other documentation is being researched.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2018 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Middle Creek Pumping Plant

Pumping Plant Rating	A
Date of Inspection	7/12/2018
DWR Inspector	Zach Jojola
Accompanied By	Corey Fujitani DWR
	Bob Duffey DWR
	Bryan Reniff Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_1				
Action/Comments					
Inspector Comments: The operating log was up to date and present at the pump station.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_2				
Action/Comments					
Inspector Comments: The O&M manual was present at the pumping plant.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_3				
Action/Comments					
Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.					

Photo 1 of 3 : ST_2018_NA0060_17_3_20180716_00019.jpg



View of the pumping plant. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_3					
Action/Comments						
Inspector Comments: The plant building was in good structural condition with no major cracks that could threaten the integrity of the building. However, the adjacent structure had some differential settlement.						

Photo 2 of 3 : ST_2018_NA0060_17_3_20180716_00020.jpg



View of adjacent structure that continues to settle. Summer 2018.

LM Start	0.00	Rating **	M	Issue No.	3 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2018_NA0060_17_3_20180612_00005.jpg



View of the settlement next to the pumping plant. Summer 2017.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_4				
Action/Comments					
Inspector Comments: A cellular phone is available for the pump station operator.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_5				
Action/Comments					
Inspector Comments: No safety hazard was present around the plant. All of the guard rails and fences were secured and in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Cranes			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2013_6					
Action/Comments						
Inspector Comments: A crane doesn't exist at this location.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_7				
Action/Comments					
Inspector Comments: The pumps appeared to be in good working condition and properly maintained including proper lubrication level.					

Photo 1 of 1 : ST_2018_NA0060_17_7_20180716_00022.jpg



View of the three pumps. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Power			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_8				
Action/Comments					
Inspector Comments: The power source appears to be reliable and safe.					

Photo 1 of 1 : ST_2018_NA0060_17_8_20180716_00023.jpg



View of the powerlines that power the plant. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_10				
Action/Comments					
Inspector Comments: There were no motors or fans present at this plant other than the pumps.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_11				
Action/Comments					
Inspector Comments: The pump control systems appeared to be operational and free of damage.					

Photo 1 of 1 : ST_2018_NA0060_17_11_20180716_00024.jpg



View of the pump controls. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Sumps/Wet Well			39.142300 °		39.142300 °
				-122.902350 °		-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_12					
Action/Comments						
Inspector Comments: Wet wells were clear of debris.						

Photo 1 of 1 : ST_2018_NA0060_17_12_20180716_00032.jpg



View of the wet well. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_13				
Action/Comments					
Inspector Comments: Trash racks appeared to be in good condition and free of debris.					

Photo 1 of 1 : ST_2018_NA0060_17_13_20180716_00026.jpg



View of the trash racks. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_14				
Action/Comments					
Inspector Comments: A trash rake doesn't exist at this location.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_15				
Action/Comments					
Inspector Comments: The slide gates appeared to be in a good working condition.					

Photo 1 of 1 : ST_2018_NA0060_17_15_20180716_00027.jpg



View of the slide gates. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_16				
Action/Comments					
Inspector Comments: No electric gate operator was present in this plant.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_17				
Action/Comments					
Inspector Comments: The manual gate operators appeared to be in good working condition.					

Photo 1 of 2 : ST_2018_NA0060_17_17_20180716_00029.jpg



View of a manual operator at the plant. Summer 2018.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	A	Issue No.	17 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Manual Gate Operators			39.142300 °	39.142300 °	
				-122.902350 °	-122.902350 °	
DWR ID	DWR_NA0060_17_t_2012_17					
Action/Comments						
Inspector Comments: The manual gate operators appeared to be in good working condition.						

Photo 2 of 2 : ST_2018_NA0060_17_17_20180716_00030.jpg



Another view of the manual operator. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_18				
Action/Comments					
Inspector Comments: All other metallic parts appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2013_19				
Action/Comments					
Inspector Comments: Flap gates don't exist at this location. Instead a backflow prevention device is used to perform similar task as the flap gates.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Middle Creek Pumping Plant		07/12/2018 07/12/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure exists in this plant.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_21				
Action/Comments					
Inspector Comments: Security fencing appeared to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.142300 °	39.142300 °
				-122.902350 °	-122.902350 °
DWR ID	DWR_NA0060_17_t_2012_22				
Action/Comments					
Inspector Comments: The pipes appeared to be in good working condition.					

Photo 1 of 1 : ST_2018_NA0060_17_22_20180716_00031.jpg



View of the intake pipes. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Moulton Weir

Structure Rating	A
Date of Inspection	6/19/2018
DWR Inspector	Bob Duffey
Accompanied By	Bryan Reniff DWR

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_1				
Action/Comments					

Photo 1 of 8 : ST_2018_NA0060_4_1_20180629_00019.jpg



View of the weir on the right bank from the upstream side of the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 8 : ST_2018_NA0060_4_1_20180629_00020.jpg



View of the weir facing the left bank from the right bank side structure abutment.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 8 : ST_2018_NA0060_4_1_20180629_00021.jpg



View of the left bank abutment.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_1					
Action/Comments						

Photo 4 of 8 : ST_2018_NA0060_4_1_20180629_00023.jpg



Looking upstream right bank view of the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 8 : ST_2018_NA0060_4_1_20180629_00026.jpg



Upstream left bank view of the weir.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 6 of 8 : ST_2018_NA0060_4_1_20180629_00025.jpg



View of the downstream side of the weir.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_1					
Action/Comments						

Photo 7 of 8 : ST_2018_NA0060_4_1_20180629_00027.jpg



View of the weir facing the right bank from the left side of the structure.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 8 of 8 : ST_2018_NA0060_4_1_20180629_00028.jpg



View of the right bank abutment.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_2				
Action/Comments					
Inspector Comments: Minimal, scattered obstructions or vegetation. The flow is not impeded.					

Photo 1 of 1 : ST_2018_NA0060_4_2_20180629_00029.jpg



View of the very small amount of soil and rock in the weir near the right abutment.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation present.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

Photo 1 of 2 : ST_2018_NA0060_4_5_20180629_00030.jpg



View of revetment at outfall of weir looking towards the left bank.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_5					
Action/Comments						
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.						

Photo 2 of 2 : ST_2018_NA0060_4_5_20180629_00031.jpg



View of revetment at outfall of weir looking towards right bank.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Inlets / Outlets			39.338242 °	39.338242 °	
				-122.022073 °	-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_7					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Culverts: Breaks / Holes / Cracks			39.338242 °		39.338242 °
				-122.022073 °		-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_8					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Metal Pipes			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Flap Gates	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Electric Gate Operators			39.338242 °		39.338242 °
				-122.022073 °		-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_13					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Manual Gate Operators	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling or cracking, some wear on the surface is starting to show.					

Photo 1 of 1 : ST_2018_NA0060_4_15_20180629_00033.jpg



Close view of slight wearing on concrete surface at the outfall wall.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Tilting / Settlement	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_16				
Action/Comments					
Inspector Comments: There were no observed or identifiable areas of tilting, sliding or settlement on the weir or abutments during inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_ 2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure. There is a small crack in the weir slab and part way up the left bank abutment wall.					

Photo 1 of 1 : ST_2018_NA0060_4_17_20180711_00034.jpg



View of a small cracks in the weir slab and part way up the left bank abutment wall.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_ 2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is in good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_ 2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.338242 °	39.338242 °
				-122.022073 °	-122.022073 °
DWR ID	DWR_NA0060_4_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in fair condition, 2017.					

Photo 1 of 2 : ST_2018_NA0060_4_22_20180711_00035.jpg



View of the wear at one monolith joint, but not enough to compromise the integrity of the structure.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	22 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Monolith Joints	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in fair condition, 2017.					

Photo 2 of 2 : ST_2018_NA0060_4_22_20180711_00036.jpg



A second view of wear at the one monolith joint, but not enough to compromise the integrity of the structure.

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure exist.					

Photo 1 of 2 : ST_2018_NA0060_4_23_20180711_00037.jpg



View of the safety railing installed with added guard rail around the right bank weir abutment.

LM Start	0.00	Rating **	A	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_4_23_20180711_00038.jpg



View of the safety railing installed with added guard rail around the left bank weir abutment.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Moulton Weir		06/19/2018 06/19/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.338242 °		39.338242 °	
		-122.022073 °		-122.022073 °	
DWR ID	DWR_NA0060_4_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Nelson Bend

Structure Rating	A
Date of Inspection	6/26/2018
DWR Inspector	Dave Torres
Accompanied By	Robert Duffey DWR

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_1				
Action/Comments					
Inspector Comments: North end 38.89550 -121.61695, South end 38.88745 -121.61533					

Photo 1 of 1 : ST_2018_NA0060_54_1_20180626_00009.jpg



View of the weir looking downstream, 2018.

LM Start	0.00	Rating **	M	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Vegetation & Obstructions			38.895500 °	38.887450 °	
				-121.616950 °	-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_2					
Action/Comments						
Inspector Comments: Minimal, scattered obstructions or vegetation. The vegetation should be cleared and trees trimmed up. May impede flow in a high water event.						

Photo 1 of 2 : ST_2018_NA0060_54_2_20180626_00010.jpg



View of the vegetation around the weir looking downstream, 2018

LM Start	0.00	Rating **	M	Issue No.	2 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_54_2_20180530_00007.jpg



View of the vegetation that is overgrowing the weir looking south, 2017.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_3					
Action/Comments						
Inspector Comments: No shoaling or sedimentation present.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	4	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Erosion / Bank Caving			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_4					
Action/Comments						
Inspector Comments: No active erosion or bank caving observed on the landward or on the waterside of the levee / channel.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_5					
Action/Comments						
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap visible.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_6				
Action/Comments					
Inspector Comments: Minor trash, debris, excavation, structures, or other obstructions present within the easement.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_7				
Action/Comments					
Inspector Comments: Item does not exist on this structure					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_8				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_9				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_10				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_11				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Sluice/Slide Gates	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_12				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Electric Gate Operators	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_13				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_14				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Surfaces	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_15				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_16				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_17				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_18				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Closure Structures	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_19				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_20				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Other Metallic Items	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2012_21				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			38.895500 °	38.887450 °
				-121.616950 °	-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_22				
Action/Comments					
Inspector Comments: Item does not exist on this structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Safety			38.895500 °		38.887450 °
				-121.616950 °		-121.615330 °
DWR ID	DWR_NA0060_54_t_2012_23					
Action/Comments						
Inspector Comments: No hazards present.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Nelson Bend		06/26/2018 06/26/2018	Dave Torres

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	38.895500 °		38.887450 °	
		-121.616950 °		-121.615330 °	
DWR ID	DWR_NA0060_54_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2018 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 1

Pumping Plant Rating	A
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	1	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Operating Log			38.931815 °		38.931815 °
				-121.634331 °		-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_1					
Action/Comments						
Inspector Comments: The operating log is kept on site.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operation & Maintenance Manual			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_2					
Action/Comments						
Inspector Comments: The O&M manual is available at the site. Sutter Maintenance Yard will provide documentation of future maintenance.						

Photo 1 of 1 : ST_2018_NA0060_21_2_20180713_00025.jpg



View of the O&M manual. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in good working order.					

Photo 1 of 1 : ST_2018_NA0060_21_3_20180713_00044.jpg



View of the outside of the facility. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_4				
Action/Comments					
Inspector Comments: Cell phones and two-way radios are available to pump station operators. The remote control operating system (SCADA) appears to be operational.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_5				
Action/Comments					
Inspector Comments: Missing fall protection railing at the pump inlet.					

Photo 1 of 6 : ST_2018_NA0060_21_5_20180713_00031.jpg



View of missing fall protection railing at the pump inlet. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 6 : ST_2018_NA0060_21_5_20180713_00027.jpg



View of fire extinguisher next to the entrance gate. Photo taken July, 2018.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Safety			38.931815 °		38.931815 °
				-121.634331 °		-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_5					
Action/Comments						
Inspector Comments: Missing fall protection railing at the pump inlet.						

Photo 3 of 6 : ST_2018_NA0060_21_5_20180713_00028.jpg



Fire extinguisher in the pump control building. Photo taken July, 2018.

Photo 4 of 6 : ST_2018_NA0060_21_5_20180713_00029.jpg



View of fall protection railing and grate over the pump outlet. Photo taken July, 2018.

Photo 5 of 6 : ST_2018_NA0060_21_5_20180713_00030.jpg



View of fall protection cable at the pump inlet. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_5					
Action/Comments						
Inspector Comments: Missing fall protection railing at the pump inlet.						

Photo 6 of 6 : ST_2018_NA0060_21_5_20180713_00043.jpg



Photo of stair railing going down to pump inlet.

LM Start	0.00	Rating **	N	Issue No.	6	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Cranes			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_6					
Action/Comments						
Inspector Comments: Cranes are not present at this site.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in working condition.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations	GPS Latitude/Longitude			
		Start	End		
Item	Power	38.931815 °		38.931815 °	
		-121.634331 °		-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_8				
Action/Comments					
Inspector Comments: The structure is on the grid with emergency backup generator.					

Photo 1 of 1 : ST_2018_NA0060_21_8_20180713_00032.jpg



View of the backup generator. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 2 : ST_2018_NA0060_21_10_20180713_00033.jpg



View of the pump motor. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	10 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_21_10_20180713_00034.jpg



View of oil tank. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST_2018_NA0060_21_11_20180713_00035.jpg



View of the pump control panels. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Sumps/Wet Well			38.931815 °	38.931815 °	
				-121.634331 °	-121.634331 °	
DWR ID	DWR_NA0060_21_t_2012_12					
Action/Comments						
Inspector Comments: Sumps are clear and free of debris.						

Photo 1 of 1 : ST_2018_NA0060_21_12_20180713_00036.jpg



View of pump sump that is represents the other sumps. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_13				
Action/Comments					
Inspector Comments: No debris present on trash racks, they appear to be in good condition.					

Photo 1 of 1 : ST_2018_NA0060_21_13_20180713_00037.jpg



View of trash racks at the pump inlet. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Sluice / Slide Gates			38.931815 °		38.931815 °
				-121.634331 °		-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_15					
Action/Comments						
Inspector Comments: Sluice gates appear to be in good working order.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_16				
Action/Comments					
Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST_2018_NA0060_21_17_20180713_00038.jpg



View of manual gate operators. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_18				
Action/Comments					
Inspector Comments: These items appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates are in proper working condition, they show no obvious signs of damage.					

Photo 1 of 1 : ST_2018_NA0060_21_19_20180816_00045.jpg



View of typical flap gate. All flap gates are closed and in good condition. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 1		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_21				
Action/Comments					
Inspector Comments: Site is secured by a masonry brick wall and steel gate.					

Photo 1 of 1 : ST_2018_NA0060_21_21_20180713_00040.jpg



View of concrete security fence and steel security door. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			38.931815 °	38.931815 °
				-121.634331 °	-121.634331 °
DWR ID	DWR_NA0060_21_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

Photo 1 of 1 : ST_2018_NA0060_21_22_20180713_00042.jpg



View of the pump inlet. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Pumping Plant Inspection Results

DWR Sutter Maintenance Yard

Pumping Plant
Sutter Bypass Pumping Plant No. 2

Pumping Plant Rating	A
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_1				
Action/Comments					
Inspector Comments: Operation log is located at the site.					

Photo 1 of 1 : ST_2018_NA0060_22_1_20180713_00024.jpg



View of operations log. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_2				
Action/Comments					
Inspector Comments: O&M Manual is present at the site. Sutter Maintenance Yard will provide documentation of maintenance going forward.					

Photo 1 of 1 : ST_2018_NA0060_22_2_20180713_00025.jpg



View of O&M manual. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	3	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_3					
Action/Comments						
Inspector Comments: Construction finished at the site that increased the height of the building.						

Photo 1 of 2 : ST_2018_NA0060_22_3_20180713_00031.jpg



View of the the backside of the pump control room. Photo taken July, 2018.

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Plant Building			39.026449 °		39.026449 °
				-121.726937 °		-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_3					
Action/Comments						
Inspector Comments: Construction finished at the site that increased the height of the building.						

Photo 2 of 2 : ST_2018_NA0060_22_3_20180713_00032.jpg



View of fixed concrete erosion above the trash racks. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_4				
Action/Comments					
Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control system appears to be operational.					

Photo 1 of 1 : ST_2018_NA0060_22_4_20180711_00005.jpg



View of the on-site telephone. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_5				
Action/Comments					
Inspector Comments: The site has fire extinguishers on site and fall protection rails. One rail by the pump inlet needs to be replaced.					

Photo 1 of 6 : ST_2018_NA0060_22_5_20180713_00027.jpg



Fire extinguisher next to entrance gate. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails. One rail by the pump inlet needs to be replaced.						

Photo 2 of 6 : ST_2018_NA0060_22_5_20180713_00028.jpg



View of protection railing and grate over outlets. Photo taken July, 2018.

Photo 3 of 6 : ST_2018_NA0060_22_5_20180713_00029.jpg



Staircase railing down to pump inlets. Photo taken July, 2018.

Photo 4 of 6 : ST_2018_NA0060_22_5_20180713_00026.jpg



Fire extinguisher in the pump control room. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails. One rail by the pump inlet needs to be replaced.						

Photo 5 of 6 : ST_2018_NA0060_22_5_20180713_00030.jpg



Fall protection cable next to pump inlets. Photo taken July, 2018.

Photo 6 of 6 : ST_2018_NA0060_22_5_20180713_00043.jpg



View of bent railing at pump inlets that needs to be replaced. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_6				
Action/Comments					
Inspector Comments: Cranes are not present at this site.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be in good working order.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Power			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_8					
Action/Comments						
Inspector Comments: The structure is on the grid with emergency backup generator.						

Photo 1 of 1 : ST_2018_NA0060_22_8_20180713_00033.jpg



View of the fuel tank for the backup generator. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operational condition.					

Photo 1 of 2 : ST_2018_NA0060_22_10_20180713_00034.jpg



View of the pump motors. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	10 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operational condition.					

Photo 2 of 2 : ST_2018_NA0060_22_10_20180713_00035.jpg



View of one pump motor and oil tank. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 1 : ST_2018_NA0060_22_11_20180713_00036.jpg



View of the pump control panels. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_12				
Action/Comments					
Inspector Comments: Trash and plant debris buildup in sump number 4 should be removed.					

Photo 1 of 1 : ST_2018_NA0060_22_12_20180713_00037.jpg



View of plant and trash debris buildup in sump number 4. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_13				
Action/Comments					
Inspector Comments: Trash rack is secure and free of debris.					

Photo 1 of 1 : ST_2018_NA0060_22_13_20180713_00038.jpg



View of the trash racks. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be properly maintained and operational.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_16				
Action/Comments					
Inspector Comments: This item does not currently apply. Motors to mechanically operate sluice gates are available during the flood season.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators appear to be in good working condition.					

Photo 1 of 1 : ST_2018_NA0060_22_17_20180713_00039.jpg



View of the manual gate operators. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_18				
Action/Comments					
Inspector Comments: All other metal parts that were visible are corrosion protected.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates are in proper working condition, they show no signs of corrosion or damage.					

Photo 1 of 1 : ST_2018_NA0060_22_19_20180713_00040.jpg



View of a flap gate, representative of the other flap gates. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Security Fencing			39.026449 °	39.026449 °	
				-121.726937 °	-121.726937 °	
DWR ID	DWR_NA0060_22_t_2012_21					
Action/Comments						
Inspector Comments: Site is currently secured by a masonry brick wall.						

Photo 1 of 1 : ST_2018_NA0060_22_21_20180713_00041.jpg



Photo of security fencing and steel entrance door. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.026449 °	39.026449 °
				-121.726937 °	-121.726937 °
DWR ID	DWR_NA0060_22_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

Photo 1 of 1 : ST_2018_NA0060_22_22_20180713_00042.jpg



View of pump intake. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance**Unit Cover Sheet****2018 Pumping Plant Inspection Results****DWR Sutter Maintenance Yard**

Pumping Plant
Sutter Bypass Pumping Plant No. 3

Pumping Plant Rating	A
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Operating Log			39.120096 °	39.120096 °
				-121.779234 °	-121.779234 °
DWR ID	DWR_NA0060_23_t_2012_1				
Action/Comments					
Inspector Comments: Operation log is at the site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Operation & Maintenance Manual			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_2					
Action/Comments						
Inspector Comments: O&M Manual is present at the site. Sutter Maintenance Yard will provide documentation of maintenance going forward.						

Photo 1 of 1 : ST_2018_NA0060_23_2_20180712_00021.jpg



Photo of the O&M manual. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Plant Building			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_3				
Action/Comments					
Inspector Comments: Plant building appears to be in good working condition.					

Photo 1 of 3 : ST_2018_NA0060_23_3_20180712_00022.jpg



Looking south at the building. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	3 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Plant Building			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_3					
Action/Comments						
Inspector Comments: Plant building appears to be in good working condition.						

Photo 2 of 3 : ST_2018_NA0060_23_3_20180712_00023.jpg



Looking north at the building. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	3 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2018_NA0060_23_3_20180713_00040.jpg



View of back side of pump control building. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Communications			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_4				
Action/Comments					
Inspector Comments: Operator has two-way radio and cellular phone available to them. The remote control operation system (SCADA) appears to be operational.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_5				
Action/Comments					
Inspector Comments: The site has fire extinguishers on site and fall protection rails.					

Photo 1 of 5 : ST_2018_NA0060_23_5_20180712_00025.jpg



View of fall protection cable. Photo taken July, 2018.

Photo 2 of 5 : ST_2018_NA0060_23_5_20180712_00026.jpg



View of fall protection fences and grate at the outlets. Photo taken July, 2018.

Photo 3 of 5 : ST_2018_NA0060_23_5_20180712_00027.jpg



Fire extinguisher in the control room. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

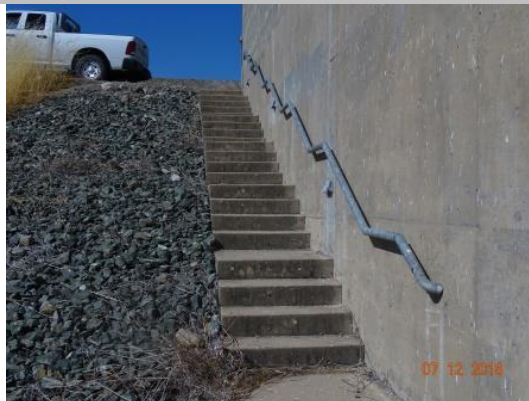
Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_5					
Action/Comments						
Inspector Comments: The site has fire extinguishers on site and fall protection rails.						

Photo 4 of 5 : ST_2018_NA0060_23_5_20180712_00024.jpg



Staircase railing leading down pump intakes. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 5 : ST_2018_NA0060_23_5_20180712_00028.jpg



Fire extinguisher next to security gate. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Cranes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_6				
Action/Comments					
Inspector Comments: Cranes are not present at this site.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pumps			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_7				
Action/Comments					
Inspector Comments: Pumps appear to be properly maintained and in working condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	8	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Power			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_8					
Action/Comments						
Inspector Comments: The structure is on the grid with emergency generator backup.						

Photo 1 of 1 : ST_2018_NA0060_23_8_20180712_00029.jpg



Photo of backup generator. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Motors, Engines, Fans & Gear Reducers			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_10				
Action/Comments					
Inspector Comments: These items appear to be maintained and in operating condition.					

Photo 1 of 2 : ST_2018_NA0060_23_10_20180712_00030.jpg



View of the pump motors. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	10 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start		End
Item	Motors, Engines, Fans & Gear Reducers			39.120096 °		39.120096 °
				-121.779230 °		-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_10					
Action/Comments						
Inspector Comments: These items appear to be maintained and in operating condition.						

Photo 2 of 2 : ST_2018_NA0060_23_10_20180712_00033.jpg



View of the oil tank for each pump. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Pump Control Systems			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_11				
Action/Comments					
Inspector Comments: Pump control systems on site are new and appear to be in working order.					

Photo 1 of 2 : ST_2018_NA0060_23_11_20180712_00034.jpg



View of the pump control panels. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	11 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_23_11_20180712_00035.jpg



View of the wiring for the pump control panel. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
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A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sumps/Wet Well			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_12				
Action/Comments					
Inspector Comments: Sumps are clear and free of debris.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Racks			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_13				
Action/Comments					
Inspector Comments: No debris present on trash racks, they appear to be in good condition.					

Photo 1 of 2 : ST_2018_NA0060_23_13_20180712_00036.jpg



View of the trash racks. Photo taken July, 2018.

Photo 2 of 2 : ST_2018_NA0060_23_13_20180712_00037.jpg



View of the trash racks showing no debris buildup. Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
		N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain			

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_14				
Action/Comments					
Inspector Comments: No trash rake at this site.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Sluice / Slide Gates			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_15				
Action/Comments					
Inspector Comments: Sluice gates appear to be in good working order.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Pump Stations			GPS Latitude/Longitude		
				Start	End	
Item	Electric Gate Operators			39.120096 °	39.120096 °	
				-121.779230 °	-121.779230 °	
DWR ID	DWR_NA0060_23_t_2012_16					
Action/Comments						
Inspector Comments: Item does not apply, gate operators are manual only.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	M	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_17				
Action/Comments					
Inspector Comments: Manual gate operators should be lubricated. Gate operatorof the second most downstream gate needs to be fixed so it can be opened.					

Photo 1 of 1 : ST_2018_NA0060_23_17_20180712_00038.jpg



View of the screw gate openers. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_18				
Action/Comments					
Inspector Comments: All other metal parts that were visible are corrosion protected.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_19				
Action/Comments					
Inspector Comments: Flap gates appear to be in proper working condition, there are no apparent signs of significant corrosion or damage.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Pumping Plant No. 3		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_20				
Action/Comments					
Inspector Comments: No closure structure present at this location.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_21				
Action/Comments					
Inspector Comments: Site is currently secured by a masonry brick wall.					

Photo 1 of 1 : ST_2018_NA0060_23_21_20180712_00039.jpg



View of the concrete wall and steel security gate that surrounds the pump. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Pump Stations			GPS Latitude/Longitude	
				Start	End
Item	Intake and Discharge Pipes			39.120096 °	39.120096 °
				-121.779230 °	-121.779230 °
DWR ID	DWR_NA0060_23_t_2012_22				
Action/Comments					
Inspector Comments: No visible deficiencies observed in the pipe's condition.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Sutter Bypass Weir No. 2

Structure Rating	A
Date of Inspection	7/12/2018
DWR Inspector	David Julian
Accompanied By	Keith Murray DWR Sutter Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.102526°	39.102526°
				-121.758682°	-121.758682°
DWR ID	DWR_NA0060_10_t_2012_1				
Action/Comments					
Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.					

Photo 1 of 4 : ST_2018_NA0060_10_1_20180713_00023.jpg



View of weir and fish ladder control building. Photo taken July, 2018.

Photo 2 of 4 : ST_2018_NA0060_10_1_20180713_00024.jpg



View of top of weir and fish ladder. Photo taken July, 2018.

Photo 3 of 4 : ST_2018_NA0060_10_1_20180713_00025.jpg



View of upstream side of weir. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.102526 °		39.102526 °
				-121.758682 °		-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_1					
Action/Comments						
Inspector Comments: The new weir is built under the Permit No. 18400 (CVFPB) issued 10-30-2008.						

Photo 4 of 4 : ST_2018_NA0060_10_1_20180713_00026.jpg



View of downstream side of weir. Photo taken July, 2018.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Vegetation & Obstructions	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_2				
Action/Comments					
Inspector Comments: Log blocking part of upstream end of fish ladder.					

Photo 1 of 1 : ST_2018_NA0060_10_2_20180713_00027.jpg



View of log blocking part of upstream end of fish ladder. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Shoaling / Sedimentation	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_3				
Action/Comments					
Inspector Comments: No shoaling or sedimentation visible during inspection.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_5				
Action/Comments					
Inspector Comments: Existing riprap protection is properly maintained and is undamaged. Riprap clearly visible.					

Photo 1 of 2 : ST_2018_NA0060_10_5_20180713_00028.jpg



View of revetment of the downstream right bank. Photo taken July, 2018.

Photo 2 of 2 : ST_2018_NA0060_10_5_20180713_00029.jpg



View of revetment on the downstream left bank. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the project easement area.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Culverts: Inlets / Outlets			39.102526 °	39.102526 °	
				-121.758682 °	-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_7					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.102526 °		39.102526 °	
		-121.758682 °		-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_10				
Action/Comments					
Inspector Comments: There are no trash racks at this structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Flap Gates			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_12				
Action/Comments					
Inspector Comments: Gates open and close freely with minor leakage. Sill is free of sediment and other obstructions. Gates and lifters have been maintained.					

Photo 1 of 1 : ST_2018_NA0060_10_12_20180713_00030.jpg



View of slide gates looking upstream. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_13				
Action/Comments					
Inspector Comments: The sluice gates are opened and closed by the inflation/deflation of a bladder. The compressors' are located in the building on the left bank of the levee crown and are functioning properly.					

Photo 1 of 1 : ST_2018_NA0060_10_13_20180713_00031.jpg



View of control panel, air compressor, and generator. Photo taken July, 2018.

LM Start	0.00	Rating **	N	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_15				
Action/Comments					
Inspector Comments: Negligible spalling, scaling, and cracking.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Tilting / Settlement			39.102526 °	39.102526 °	
				-121.758682 °	-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_16					
Action/Comments						
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Foundations			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Security Fencing			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_18				
Action/Comments					
Inspector Comments: Safety / security fencing is good condition and provides protection against falling or unauthorized access. Gates open and close freely, locks are in place, and there is little corrosion on metal parts. The fence is very close to the hing point of the slope and does not allow access around the out side of the fence in this location.					

Photo 1 of 1 : ST_2018_NA0060_10_18_20180713_00032.jpg



View of security fence around the weir and fish ladder control building.
Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_19				
Action/Comments					
Inspector Comments: Closure structure in good repair. Placing equipment, stoplogs, and other materials are available at the Sutter Yard.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_20				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_21				
Action/Comments					
Inspector Comments: All metal decks are protected from corrosion damage, and show no rust or deterioration that would cause a safety concern.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2012_23				
Action/Comments					
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.					

Photo 1 of 3 : ST_2018_NA0060_10_23_20180713_00034.jpg



View of railing on waterside levee slope between weir and levee crown.
Photo taken July, 2018.

* Location LS : Land Side WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Sutter Bypass Weir No. 2		07/12/2018 07/12/2018	David Julian

LM Start	0.00	Rating **	A	Issue No.	23 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Safety			39.102526 °	39.102526 °	
				-121.758682 °	-121.758682 °	
DWR ID	DWR_NA0060_10_t_2012_23					
Action/Comments						
Inspector Comments: Safety hardware installed. Adequate protection for fall hazards exist. No hazardous conditions that might affect the operation of the structure. Fire extinguisher is located in in the compressor building and is current.						

Photo 2 of 3 : ST_2018_NA0060_10_23_20180713_00035.jpg



View of fall protection railing. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2018_NA0060_10_23_20180713_00033.jpg



Fire extinguisher in the weir and fish ladder control building. Photo taken July, 2018.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.102526 °	39.102526 °
				-121.758682 °	-121.758682 °
DWR ID	DWR_NA0060_10_t_2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M at the site.					

Photo 1 of 1 : ST_2018_NA0060_10_24_20180713_00036.jpg



View of the O&M manual. Photo taken July, 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance

Unit Cover Sheet

2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Tisdale Weir

Structure Rating	M
Date of Inspection	6/19/2018
DWR Inspector	Zach Jojola
Accompanied By	George "Wade" Wylie DWR

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_1				
Action/Comments					

Photo 1 of 5 : ST_2018_NA0060_3_1_20180619_00031.jpg



View of the weir from the north side. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 5 : ST_2018_NA0060_3_1_20180619_00032.jpg



View of the stilling basin from the north end of the weir. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 5 : ST_2018_NA0060_3_1_20180619_00033.jpg



View of the weir from the south side. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	1 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Photo Documentation			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_1					
Action/Comments						

Photo 4 of 5 : ST_2018_NA0060_3_1_20180619_00034.jpg



Downstream view of Tisdale Bypass. Summer 2018.

LM Start	0.00	Rating **	N	Issue No.	1 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 5 of 5 : ST_2018_NA0060_3_1_20180619_00035.jpg



Upstream view of adjacent parking lot. Summer 2018.

LM Start	0.00	Rating **	M	Issue No.	2
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_2				
Action/Comments					
Inspector Comments: Scattered logs on the upstream side need to be removed.					

Photo 1 of 1 : ST_2018_NA0060_3_2_20180619_00050.jpg



View of logs placed along the top of the weir. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Shoaling / Sedimentation			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_3				
Action/Comments					
Inspector Comments: Sedimentation found at various locations throughout the stilling basin should be removed.					

Photo 1 of 1 : ST_2018_NA0060_3_3_20180619_00048.jpg



View of sediment build-up within the stilling basin on the south side of the weir. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_4				
Action/Comments					
Inspector Comments: No active erosion or bank caving observed on the landward or on the riverward side of the levee.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	5	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Revetments			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_5					
Action/Comments						
Inspector Comments: Existing riprap is undamaged, but vegetation should be cleared and sprayed.						

Photo 1 of 3 : ST_2018_NA0060_3_5_20180619_00036.jpg



View of south abutment and revetment. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	5 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Revetments			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_5					
Action/Comments						
Inspector Comments: Existing riprap is undamaged, but vegetation should be cleared and sprayed.						

Photo 2 of 3 : ST_2018_NA0060_3_5_20180619_00047.jpg



Additional view of revetment on the south end of the weir. Summer 2018.

LM Start	0.00	Rating **	M	Issue No.	5 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 3 : ST_2018_NA0060_3_5_20180619_00037.jpg



Revetment on north abutment is blocked by heavy vegetation. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_6				
Action/Comments					
Inspector Comments: No trash, debris, excavation, structures, or other obstructions present within the easement.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Inlets / Outlets	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Culverts: Breaks / Holes / Cracks	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Metal Pipes	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Trash Racks	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	11	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Flap Gates			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_11					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

LM Start	0.00	Rating **	N	Issue No.	12	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Sluice/Slide Gates			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_12					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_14				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	U	Issue No.	15	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start	End	
Item	Concrete Surfaces			39.026713 °	39.026713 °	
				-121.821995 °	-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_15					
Action/Comments						
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.						

Photo 1 of 8 : ST_2018_NA0060_3_15_20180619_00038.jpg



View of cracking on the south abutment. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_15					
Action/Comments						
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.						

Photo 2 of 8 : ST_2018_NA0060_3_15_20180619_00039.jpg



Missing concrete and exposed rebar within the north abutment. Vegetation is beginning to grow within the abutment. Summer 2018.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 3 of 8 : ST_2018_NA0060_3_15_20180619_00041.jpg



View of deteriorating counterfort within the stilling basin. Summer 2018.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 4 of 8 : ST_2018_NA0060_3_15_20180619_00042.jpg



View of concrete joint damage. It does not appear to be worse than the previous inspection, and the flow is not impeded. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_15					
Action/Comments						
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.						

Photo 5 of 8 : ST_2018_NA0060_3_15_20180619_00043.jpg



View of exposed rebar on concrete counterfort. Summer 2018.

Photo 6 of 8 : ST_2018_NA0060_3_15_20180619_00044.jpg



View of additional concrete joint damage. Summer 2018.

Photo 7 of 8 : ST_2018_NA0060_3_15_20180619_00045.jpg



View of damaged counterfort and exposed rebar. Summer 2018.

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

LM Start	0.00	Rating **	U	Issue No.	15 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	U	Issue No.	15 (cont)	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Surfaces			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_ 2012_15					
Action/Comments						
Inspector Comments: Spalling, scaling, cracking, exposed rebar throughout the structure.						

Photo 8 of 8 : ST_2018_NA0060_3_15_20180619_00046.jpg



View of exposed and bent rebar on the downstream end of the stilling basin. Summer 2018.

LM Start	0.00	Rating **	A	Issue No.	16
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_ 2012_16				
Action/Comments					
Inspector Comments: There are no significant areas of tilting, sliding or settlement that would endanger the integrity of the project.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	17
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Concrete Foundations	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_ 2018_17				
Action/Comments					
Inspector Comments: No scouring / erosion or undermining near the structure.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Security Fencing	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_2012_18				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	20	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Trash Rakes			39.026713 °		39.026713 °
				-121.821995 °		-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_20					
Action/Comments						
Inspector Comments: This item does not apply to this inspection.						

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	N	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_21				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_22				
Action/Comments					
Inspector Comments: The monolith joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	M	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.026713 °	39.026713 °
				-121.821995 °	-121.821995 °
DWR ID	DWR_NA0060_3_t_2012_23				
Action/Comments					
Inspector Comments: Concrete should be repaired to conceal the exposed rebar. Safety fence is needed for protecting the structure from the public parking lot, the logs at the edge of lot need to be removed and not used as a barrier.					

Photo 1 of 2 : ST_2018_NA0060_3_23_20180619_00049.jpg



The safety fence was removed due to flows over the weir, and logs were placed to keep vehicles from driving over the edge. Logs need to be removed and the safety fence replaced like it was before. Summer 2018.

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Tisdale Weir		06/19/2018 06/19/2018	Zach Jojola

LM Start	0.00	Rating **	M	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Safety	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_ 2012_23				
Action/Comments					
Inspector Comments: Concrete should be repaired to conceal the exposed rebar. Safety fence is needed for protecting the structure from the public parking lot, the logs at the edge of lot need to be removed and not used as a barrier.					

Photo 2 of 2 : ST_2018_NA0060_3_23_20180612_00030.jpg



View of safety fence separating the weir from the public parking lot in 2016.

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Operation & Maintenance Manual	39.026713 °		39.026713 °	
		-121.821995 °		-121.821995 °	
DWR ID	DWR_NA0060_3_t_ 2013_24				
Action/Comments					
Inspector Comments: Sutter Maintenance Yard has a copy of the O&M manual on file. There is not a spot on site to house the O&M manual.					

No Photos

* Location
LS : Land Side
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

Flood Control Project Maintenance
Unit Cover Sheet
2018 Structure Inspection Results

DWR Sutter Maintenance Yard

Structure
Wadsworth Canal Weir No. 4

Structure Rating	A
Date of Inspection	6/21/2018
DWR Inspector	Bob Duffey
Accompanied By	Gregg Ahlers Sutter Maintenance Yard

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	23
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Photo Documentation			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_23				
Action/Comments					
Inspector Comments: Upstream side of the structure is clear of debris.					

Photo 1 of 2 : ST_2018_NA0060_11_23_20180710_00004.jpg



View of the upstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	N	Issue No.	23 (cont)
LM End	0.00	Issue Type +	Ma	Location *	

Photo 2 of 2 : ST_2018_NA0060_11_23_20180710_00005.jpg



View of the downstream side of the Wadsworth Canal Weir No. 4.

LM Start	0.00	Rating **	A	Issue No.	1
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Vegetation & Obstructions			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_1				
Action/Comments					
Inspector Comments: There is no vegetation that would impact the flow of water.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	2	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Shoaling / Sedimentation			39.153325 °		39.153325 °
				-121.734122 °		-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_2					
Action/Comments						
Inspector Comments: There is no shoaling or sedimentation present.						

No Photos

LM Start	0.00	Rating **	M	Issue No.	3
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_3				
Action/Comments					
Inspector Comments: Repair all erosion along the channel before winter.					

Photo 1 of 1 : ST_2018_NA0060_11_3_20180710_00006.jpg



View of the erosion around the upstream end of the structure.

LM Start	0.00	Rating **	A	Issue No.	4
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Revetments			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_4				
Action/Comments					
Inspector Comments: Extended riprap protection is properly maintained.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	5
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_5				
Action/Comments					
Inspector Comments: There is no debris obstructing the structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	6
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Inlets / Outlets			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_6				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	7
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Culverts: Breaks / Holes / Cracks			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_7				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	8
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start		End	
Item	Metal Pipes	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_8				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	9
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Trash Racks	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_9				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	10
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels	GPS Latitude/Longitude			
		Start	End		
Item	Flap Gates	39.153325 °		39.153325 °	
		-121.734122 °		-121.734122 °	
DWR ID	DWR_NA0060_11_t_2012_10				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	N	Issue No.	11
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Sluice/Slide Gates			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_11				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	12
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Electric Gate Operators			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_12				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	13
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Manual Gate Operators			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_13				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	14
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Surfaces			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_14				
Action/Comments					
Inspector Comments: There is no spalling or cracking of the structure.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	15
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Concrete Tilting / Settlement			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_15				
Action/Comments					
Inspector Comments: There are no significant areas of tilting.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	16	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Concrete Foundations			39.153325 °		39.153325 °
				-121.734122 °		-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_16					
Action/Comments						
Inspector Comments: There is some erosion on the downstream side near the structure.						

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	17	
LM End	0.00	Issue Type +	Ma	Location *		
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude		
				Start		End
Item	Security Fencing			39.153325 °		39.153325 °
				-121.734122 °		-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_17					
Action/Comments						
Inspector Comments: There is no security fence at this site.						

No Photos

LM Start	0.00	Rating **	A	Issue No.	18
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Closure Structures			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_18				
Action/Comments					
Inspector Comments: There are stop logs available for within the channel, but the structure does not have any other closure structure.					

No Photos

LM Start	0.00	Rating **	N	Issue No.	19
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Trash Rakes			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_19				
Action/Comments					
Inspector Comments: This item does not apply to this inspection.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	20
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Other Metallic Items			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_20				
Action/Comments					
Inspector Comments: Metallic items appear to be in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	21
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Monolith Joints			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_21				
Action/Comments					
Inspector Comments: The mortar joint material is in good condition.					

No Photos

LM Start	0.00	Rating **	A	Issue No.	22
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Safety			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2012_22				
Action/Comments					
Inspector Comments: There is a safety rail around the structure.					

No Photos

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Structure 2018

DWR Sutter Maintenance Yard

Structure	Structure Length	Inspection Start/End	Inspector
Wadsworth Canal Weir No. 4		06/21/2018 06/21/2018	Bob Duffey

LM Start	0.00	Rating **	A	Issue No.	24
LM End	0.00	Issue Type +	Ma	Location *	
Category	Structures & Concrete Lined Channels			GPS Latitude/Longitude	
				Start	End
Item	Operation & Maintenance Manual			39.153325 °	39.153325 °
				-121.734122 °	-121.734122 °
DWR ID	DWR_NA0060_11_t_2013_24				
Action/Comments					
Inspector Comments: The yard has a copy of the O&M Manual.					

No Photos

*** Location**
LS : Land Side
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement